

1/8

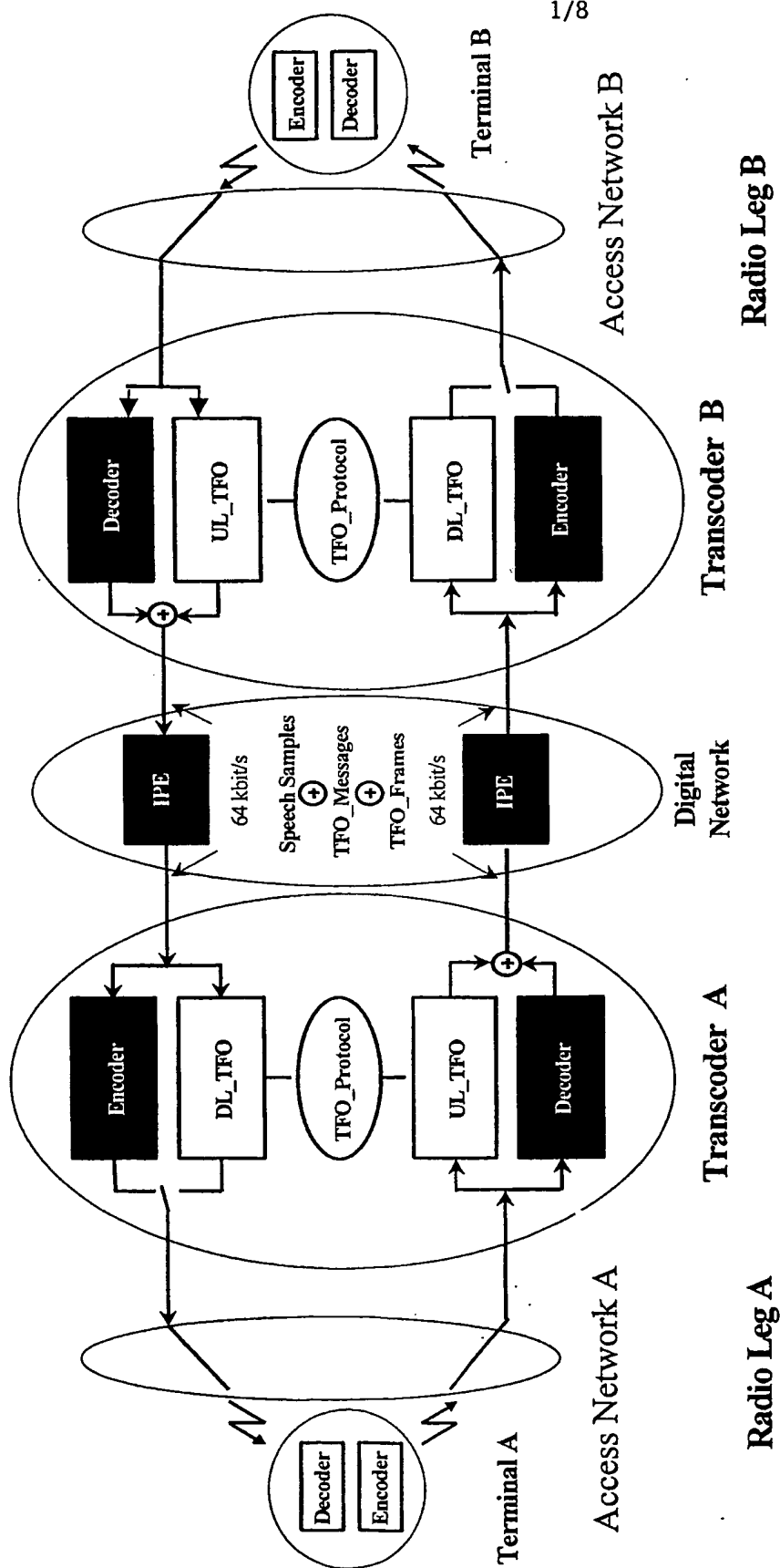


Fig. 1

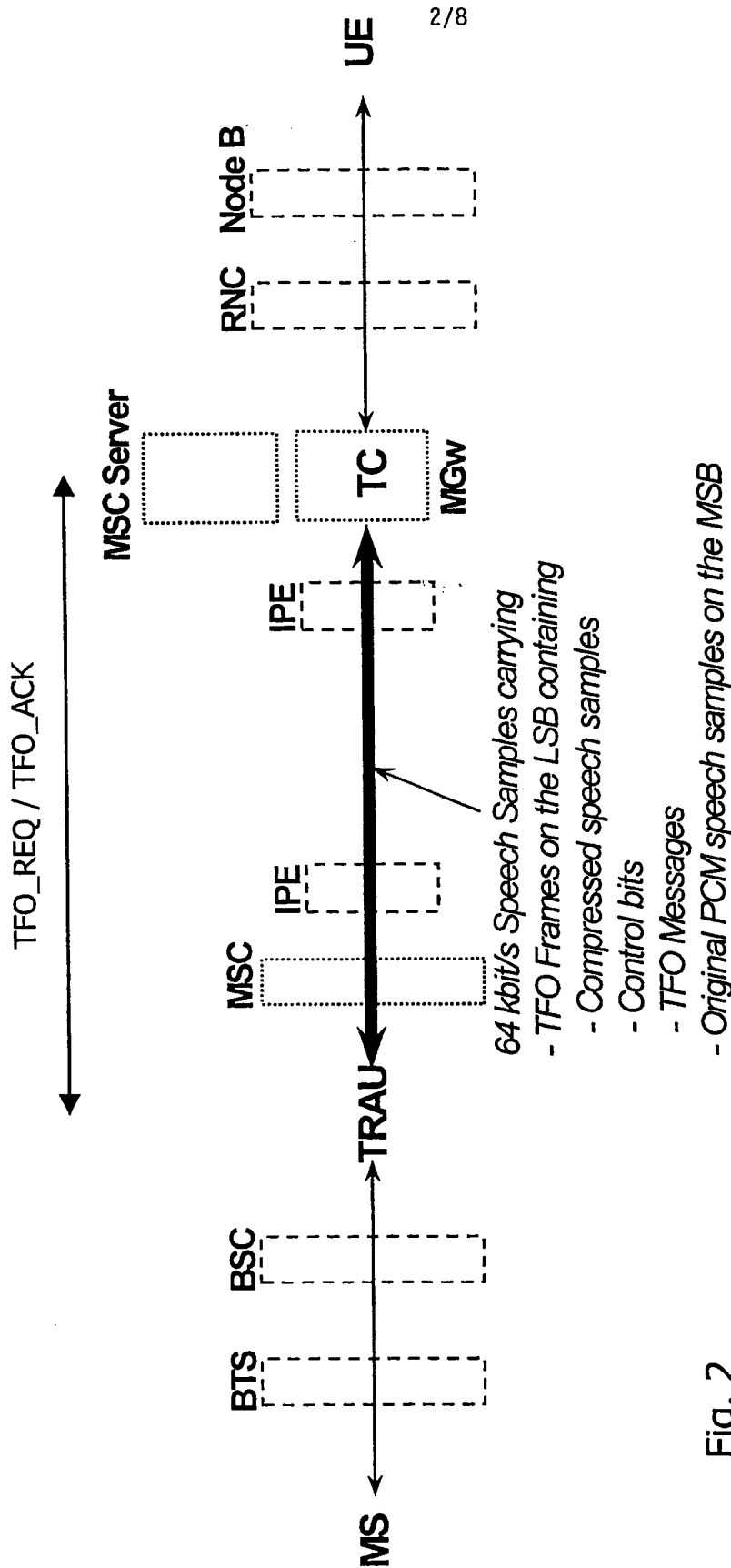


Fig. 2

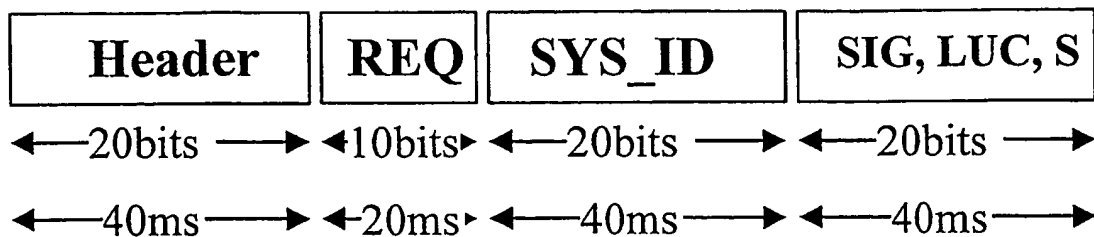


Fig. 3

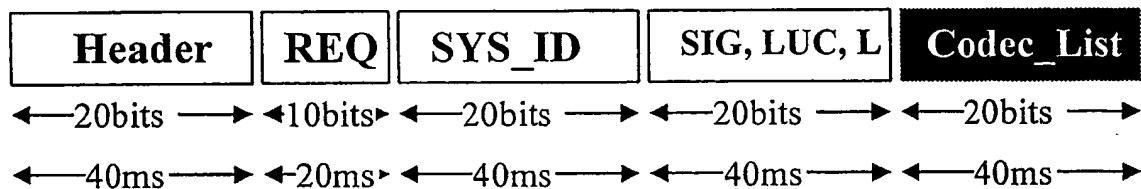


Fig. 4

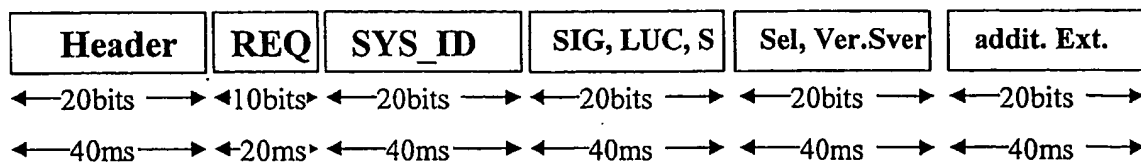


Fig. 5

| Bit | Description | Comment |
|------------|-------------|---|
| Bit 1 | "0" | normal IS-Message Sync Bit, constant. |
| Bit 2..6 | Selector | Indicates if and which further extension_blocks are following. Coding for bits 2.3.4.5.6: 00000: nothing is following after this TFO_Version 00001: One (or more) alternative Codec Type(s) is (are) following, 10101: reserved (used by the IS_Header) all other codes: reserved for future use. |
| Bit 7..10 | Ver | This field contains the TFO_Version number |
| Bit 11 | "0" | normal IS-Message Sync Bit, constant |
| Bit 12..15 | Sver | This field contains the TFO_Subversion number |
| Bit 16..18 | CRC | 3 CRC bits protecting Bits 2 to 10 and 12 to 15 |
| Bit 19..20 | EX | The normal 2 bits for IS_Message Extension: 00: No other extension block follows 11: An other extension block follows |

Fig. 6a

| Bit | Description | Comment |
|------------|-------------|--|
| Bit 1 | "0" | normal IS-Message Sync Bit, constant. |
| Bit 2 | PAR_Sel | Differentiates this Extension_Block 0: Parameters included in PAR field: Simple Codec_List_Extension 1: Length Indicator (LI) included: Parameters follow in subsequent Extension_Blocks |
| Bit 3..10 | CoID | This field identifies the Codec_Type for which the subsequent attributes are valid. The same coding as in the Codec_x Extension_Block is used (long form) |
| Bit 11 | "0" | normal IS-Message Sync Bit, constant |
| Bit 12..15 | LI / PAR | If Par_Sel==1: LI: Length Indicator: 0000: reserved; 0001: one other Extension_Block follows, etc. If Par_Sel==0: PAR: Codec specific definition of these four bits |
| Bit 16..18 | CRC | 3 CRC bits protecting Bits 2 to 10 and 12 to 15 |
| Bit 19..20 | EX | The normal 2 bits for IS_Message Extension: 00: No other extension block follows 11: An other extension block follows |

Fig. 6b

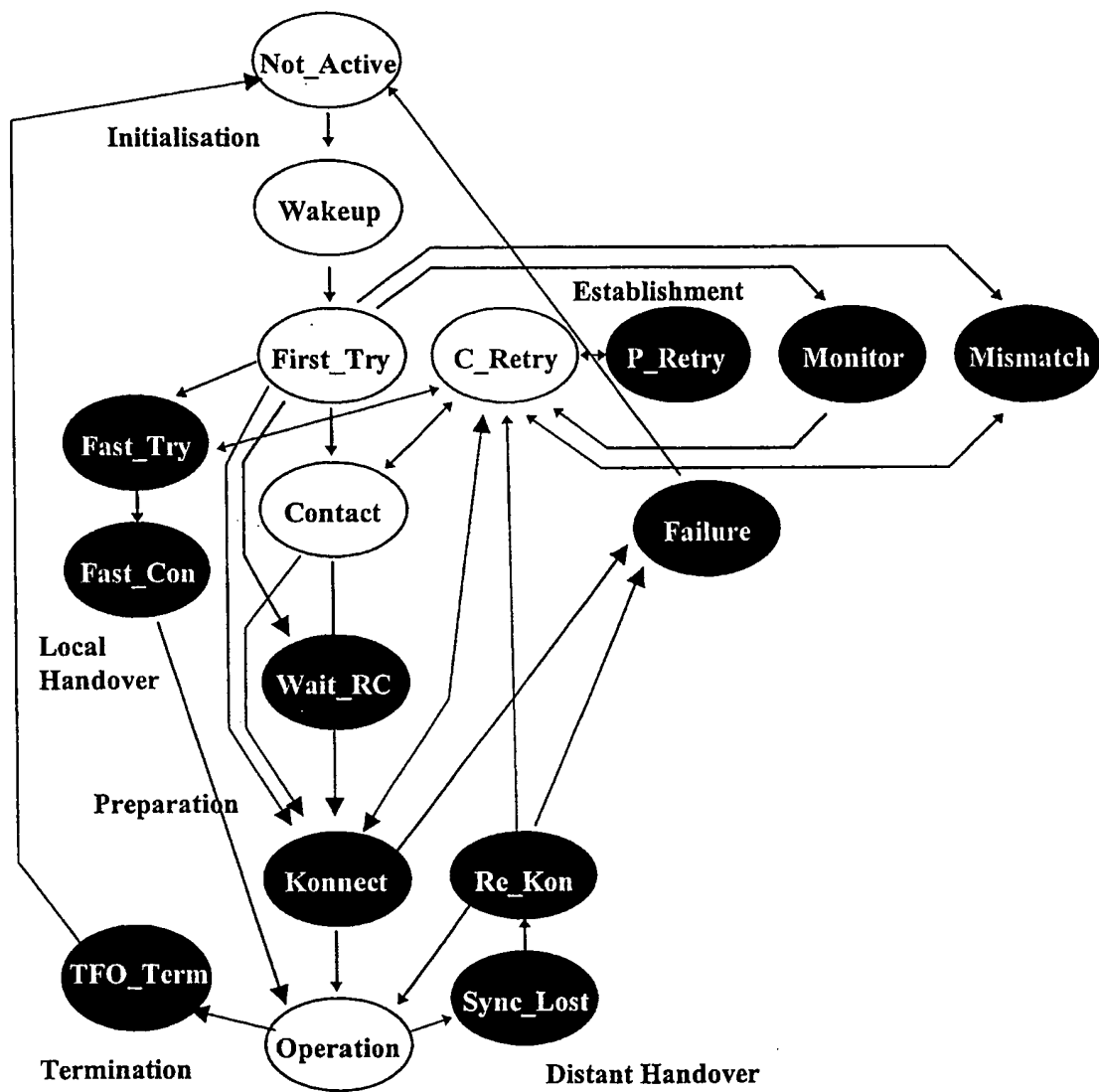


Fig. 7

6/8

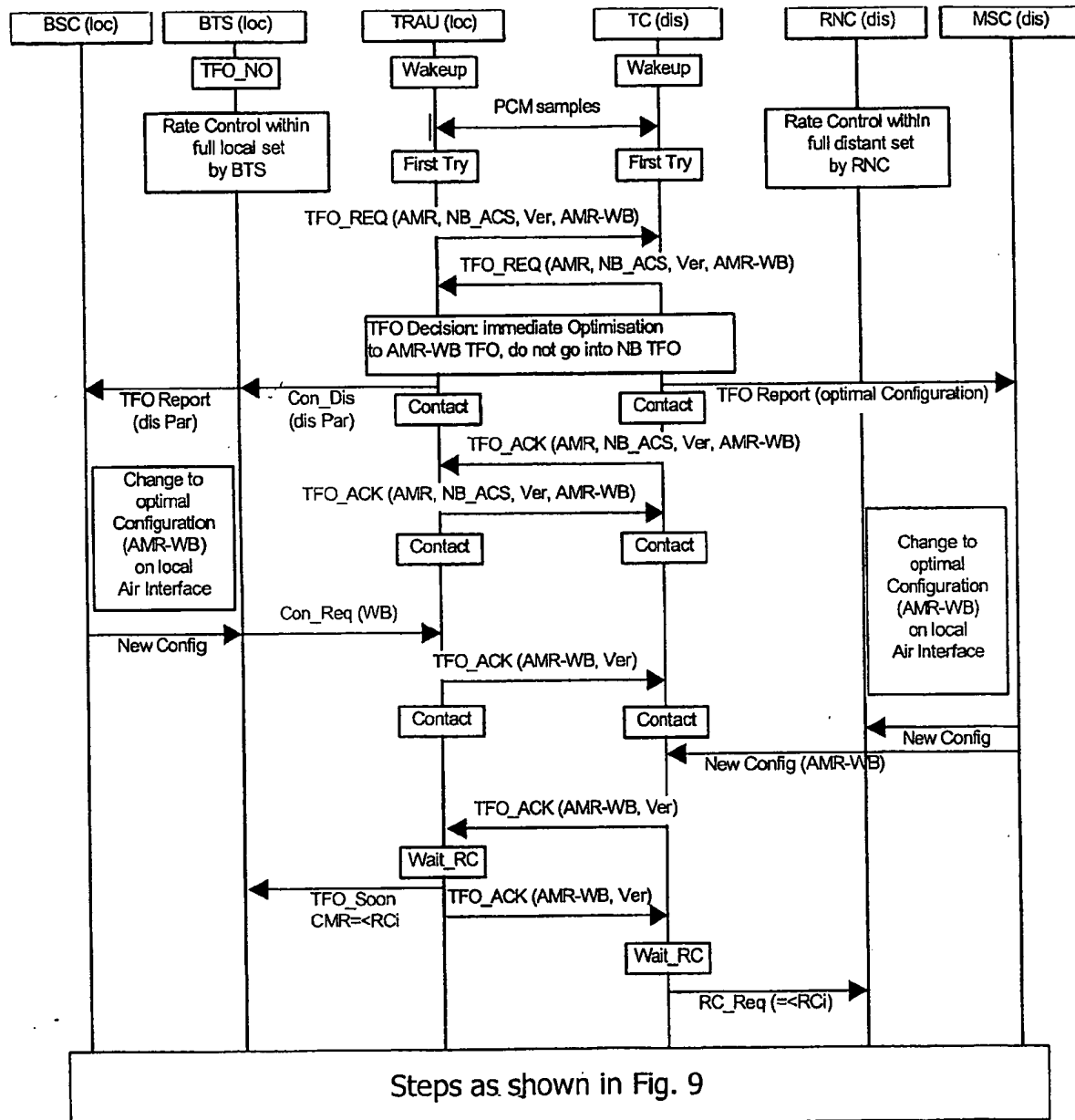


Fig. 8

7/8

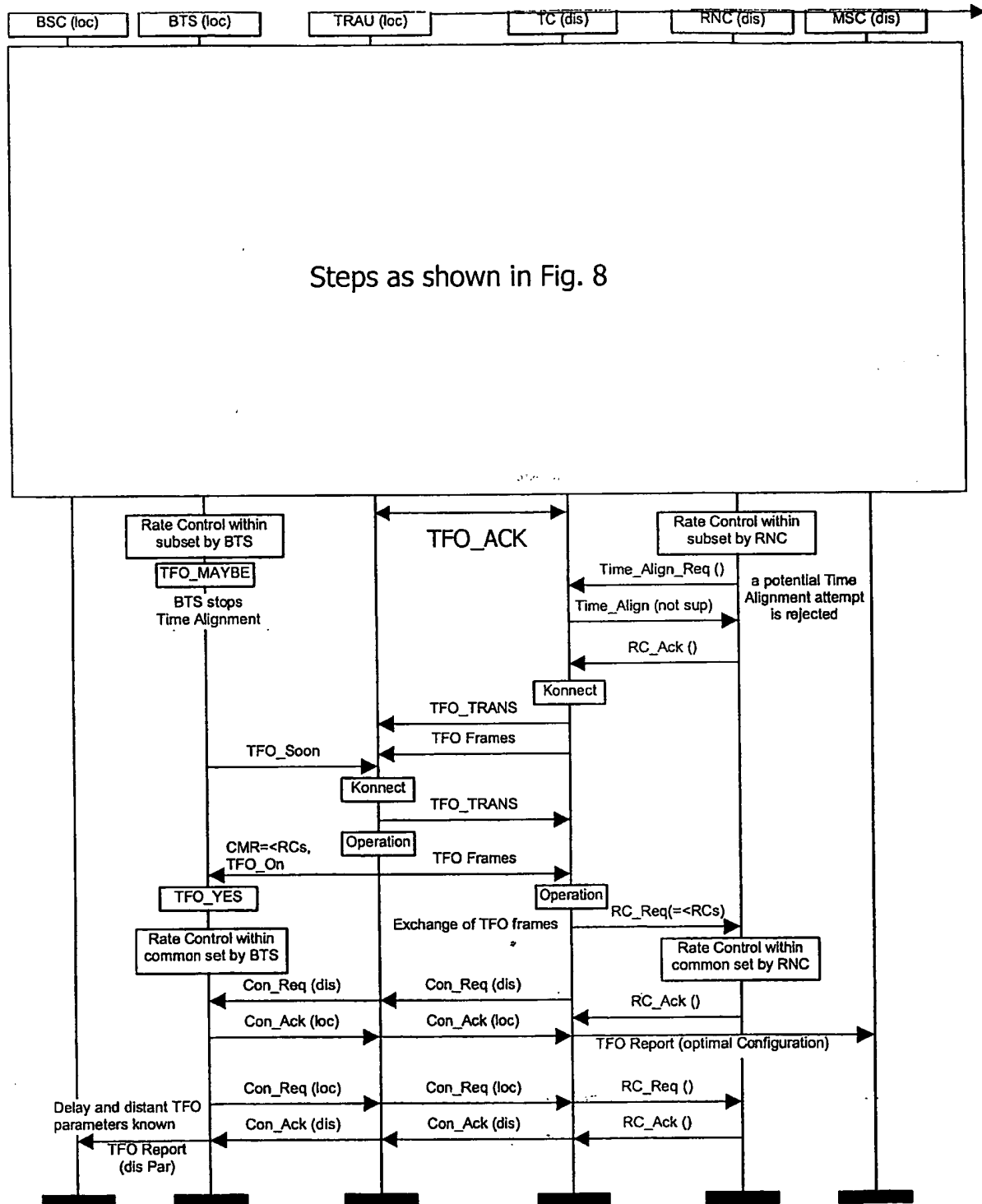


Fig. 9

| Feature→ Codec Type↓ | TFO Version | Immediate Codec Type Optimisation | Generic Configuration Frames |
|--|---|--|--|
| GSM_FR GSM_HR GSM_EFR | Optional. The TFO Version extension block need not to be sent. If not contained in TFO Messages, or is lower than 5.3, then Pre-REL-5 handling shall apply | Mandatory, if TFO Version is 5.3 or higher. | If the TFO Version is lower than 5.3 then Generic Configuration Frames shall <u>not</u> be used. Only TFO_REQ_L and (TFO_ACK_L) shall be used. If the TFO Version is 5.3 or higher, then Generic Configuration Frames shall be used. TFO_REQ_L and TFO_ACK_L shall <u>not</u> be used embedded into TFO Frames. |
| FR_AMR HR_AMR UMTS_AMR UMTS_AMR2 OHR_AMR | Optional. The TFO Version extension block need not to be sent. If not contained in TFO Messages, or is lower than 5.3, then Pre-REL-5 handling shall apply | Mandatory, if TFO Version is 5.3 or higher. | If the TFO Version is lower than 5.3, then Generic ConfigurationFrames shall <u>not</u> be used. If the TFO Version is 5.3 or higher, then Generic Configuration Frames shall be used. The parameter field in REL-4 AMR Configuration frames shall be treated as undefined. TFO_REQ_L and TFO_ACK_L shall <u>not</u> be used embedded into TFO Frames. |
| FR_AMR-WB UMTS_AMR-WB OFR_AMR-WB OHR_AMR-WB | Mandatory. The TFO Version extension block shall always be sent. | Mandatory. | Generic Configuration Frames shall be used. TFO_REQ_L and TFO_ACK_L shall <u>not</u> be used embedded into TFO Frames. |

Fig. 10